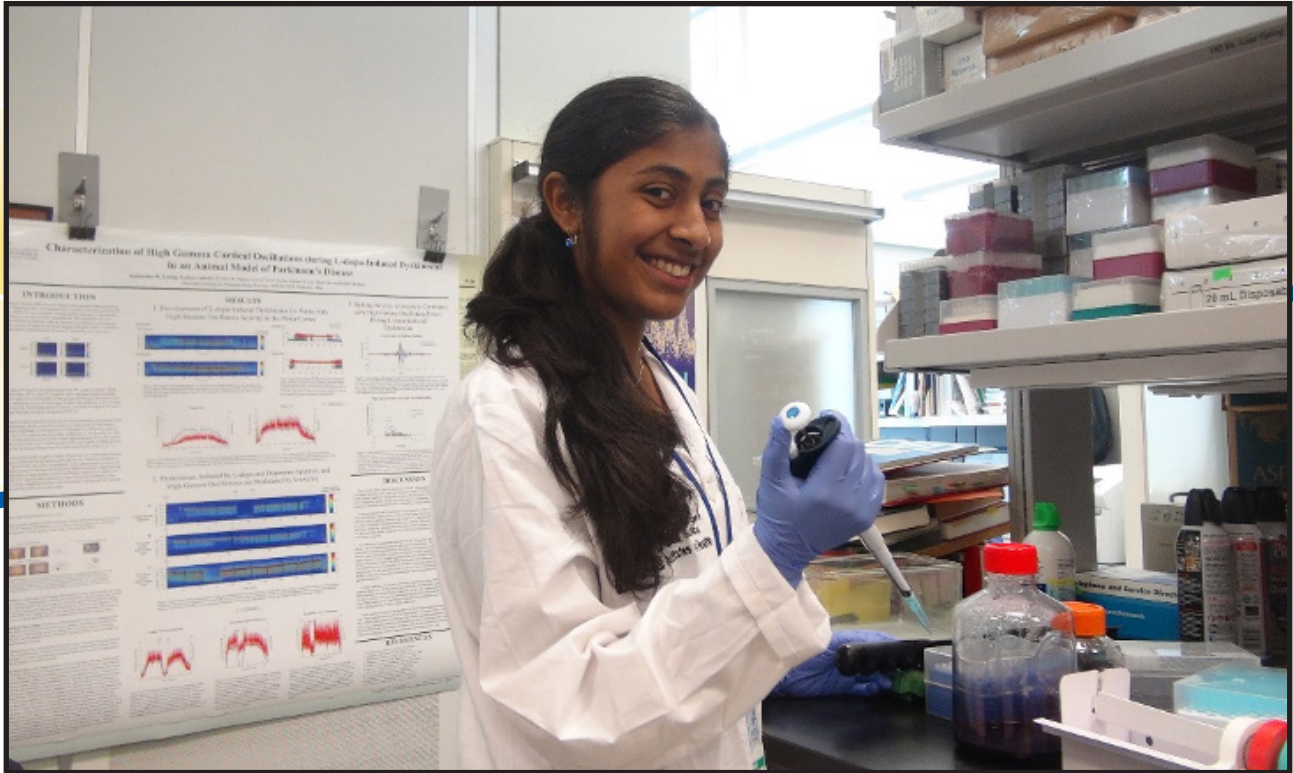


Carolina's Young InnovatorsSM

DEEPIKA KURUP

Nashua, New Hampshire Age 14 at the time of innovation



ACHIEVEMENT: CREATED A METHOD TO PURIFY WATER USING CHEMICALS AND SUNLIGHT

A trip to visit family members in India inspired Deepika to make a global difference. The difference was clean water.

In India, Deepika saw people drinking dirty water. She learned that there is a global water crisis. It affects many countries. Deepika decided to become a clean water advocate. She would find a way to give everyone around the world access to clean drinking water.

Working in her garage, Deepika designed a new way to purify water. It was affordable and made dirty water safe to drink. She tried adding different chemicals to the water to kill what was harmful. Her trials led to just the right chemicals reacting when exposed to sunlight. These chemicals plus sunlight destroyed harmful organisms.

Deepika has filed for patents for her invention and hopes to make it available to people around the world.